

Comparisons of Job Characteristics

Focus Occupation: Crane and Tower Operators (53-7021)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Crane and Tower Operators (53-7021)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.0	14.8	>	Current knowledge level is likely sufficient
Building and Construction	4.0	10.7	11.0	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	9.1	8.4	0	Current knowledge level may be sufficient
Production and Processing	6.0	8.4	5.1	<<	Extensive education and/or training may be required
Transportation	4.6	7.4	7.6	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Crane and Tower Operators (53-7021)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	13.2	12.6	0	Current skill level may be sufficient
Operation Monitoring	6.6	11.4	10.7	0	Current skill level may be sufficient
Troubleshooting	4.5	8.3	8.2	0	Current skill level may be sufficient
Repairing	3.4	8.2	8.0	0	Current skill level may be sufficient
Equipment Maintenance	3.5	8.0	7.7	0	Current skill level may be sufficient
Equipment Selection	3.3	6.7	5.8	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Crane and Tower Operators (53-7021)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	15.6	14.7	0	Current ability level may be sufficient
Multilimb Coordination	6.0	15.6	13.9	<	Some improvement in abilities may be required
Depth Perception	5.3	14.4	12.9	<	Some improvement in abilities may be required
Reaction Time	4.8	13.4	13.5	0	Current ability level may be sufficient
Response Orientation	4.0	13.0	11.6	<	Some improvement in abilities may be required
Far Vision	7.8	12.9	12.8	0	Current ability level may be sufficient
Auditory Attention	5.9	12.6	9.0	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	11.4	8.5	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	9.8	7.3	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	9.6	6.8	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.6	5.9	<	Some improvement in abilities may be required
Night Vision	2.1	6.5	4.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 100

Focus Occupation: Crane and Tower Operators (53-7021)

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Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Inspect material moving equipment	80
Load, unload, or stack containers, materials, or products	37
Maintain or repair construction machinery or equipment	77
Measure, weigh, or count products or materials	17
Operate crane in construction, manufacturing or repair setting	76
Operate earth-moving or other heavy construction equipment	80
Operate material moving, loading, or unloading equipment	75
Read work order, instructions, formulas, or processing charts	9
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Crane and Tower Operators (53-7021)

Associated Occupation: Excavating and Loading Machine and Dragline Operators (53-7032)

Tools and Technologies	Exclusivity
Computer displays	18
Dispensing tools	6
Earth moving machinery	11
Forming tools	2
Hearing protectors	12
Heavy equipment components	21
Holding and clamping tools	3
Industry specific software	1
Lifting equipment and accessories	3
Measuring and layout tools	3
Pressure measuring and control instruments	10
Respiratory protection	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.